حمل الآن
مجانا وحصريا

المراجعة رقم (1)

الترم الاول

Pure Mathematics

Senior 2

Final Revision

MR/ Ahmed Baset

Determine the domain of the following function

$$The\ domain\ of\ the\ function\ f(x) = \sqrt{x-5}\ is\ ....$$

هنداكر أونلاين

Determine the domain of the following function

$$\text{The domain of the function } f(x) = \frac{2}{\sqrt{7-x}} \text{ is ....}$$

هنداكر
أونلاين

Determine the domain of the following function

$$The\ domain\ of\ the\ function\ f(x) = \frac{1}{\sqrt[3]{x} - 3}\ is\ ....$$

هنداكر
أونلاين

Determine the domain of the following function

$$\text{The domain of the function } f(x) = \frac{7}{\sqrt{|x| - 2}} \text{ is ....}$$

هنداكر
أونلاين

Determine the domain of the following function

$$\textit{The domain of the function } f(x) = \sqrt{x^2 - 5x + 6} \textit{ is ....}$$

هنداكر أونلاين

Determine the domain of the following function

The domain of the function $f(x) = \log_{(x-2)} 5 - x$ *is ..*

هنداكر
أونلاين

Determine the domain of the following function

$$\text{The domain of the function } f(x) = \frac{\sqrt{x-5}}{\sqrt{9-x}} \text{ is ....}$$

هنداكر أونلاين

Determine the rang of the following function

$$\textit{The range of the function } f(x) = 2 - \frac{3}{x-1} \textit{ is } \ldots\ldots$$

هنداكر
أونلاين

Determine the rang of the following function

The range of the function $f(x) = 2 - \dfrac{3}{|x-1|}$ *is* ……

Determine the rang of the following function

The range of the function $f(x) = |x - 3| - 5$ *is* ... .

Determine the rang of the following function

$$\text{The range of the function } f(x) = \begin{cases} 2 & ; \ x \geq 7 \\ -5 & ; \ x < 7 \end{cases} \text{ is } \ldots\ldots\ldots$$

Essay questions

If the domain of the function $f(x) = \dfrac{x-5}{x^2-4x+k}$ is $R-\{2\}$

then $k = \cdots$

Essay questions

If the domain of the function $f(x) = \sqrt{x - a}$ is $[-3, \infty[$ then $a = \cdots$

$$If\ f, g : R \to R\ where\ f(x) = 3x + 1\ and$$

$$(g + f)(x) = x^3 + 2x - 1\ \ then\ \ g(-1) = \ ...$$

- 1
- -1
- 2
- -2

Essay questions

A man deposited 5000L.E in a bank with annual interest 5% then the total money after 7 years is .....L.E

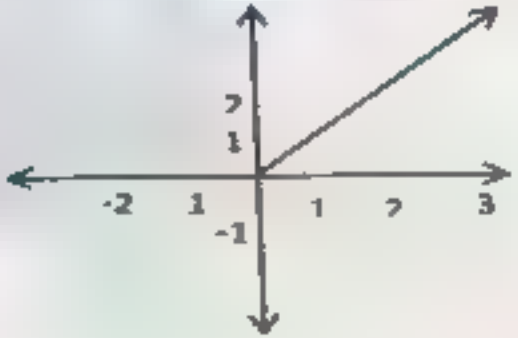
If the curve of the function $f(x) = \log_a x$ *passes through* (8,3) then a=...

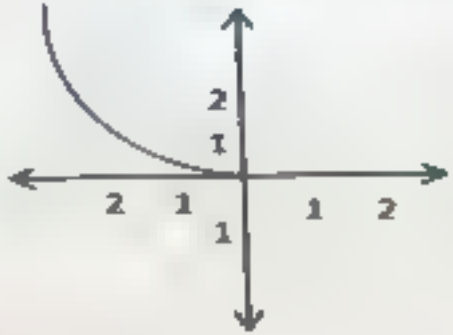
- 2
- 3
- -2
- -3

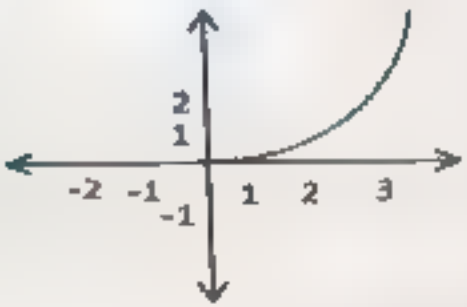
The vertex of the curve $f(x) = x^2 - 4x + 5$ *is* ...

- (1, 2)
- (-1, 2)
- (2, 1)
- (-2, 1)

Which of the following figures represent the curve of a function its range ≠ its domain ?







$$If\ f(x) = \{(1,2),(3,5),(4,1)\}\ and\ g(x) = \{(1,3),(4,2)\}$$

$$then\ (f+g)(x) = \cdots.$$

- $\{(2,5),(8,3)\}$
- $\{(1,5),(4,3)\}$
- $\{(1,5),(8,2),(3,5)\}$
- *otherwise*

If the function F is an even function where f(1)=2 which of the following points ∈ f

- (-1 , 2)
- (1 , -2)
- (-1 , -2)
- (2 , 1)

If $f(x) = \sqrt{x}$ *and* $g(x) = x^2$ *then*

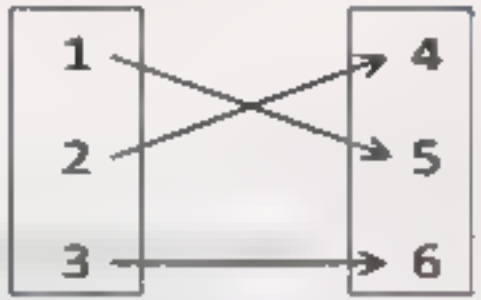
(fOg)(x)=.....

- x
- $\pm x$
- $|x|$
- $-x$

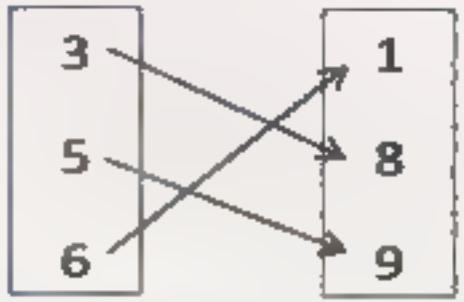
Which of the following is one - to – one function?

- $y = |x|$
- $y = x^2$
- $y = x^3$
- $y = 2$

If



and



(i) (f0g)(6)=..... [1 , 3 , 5 , 6]

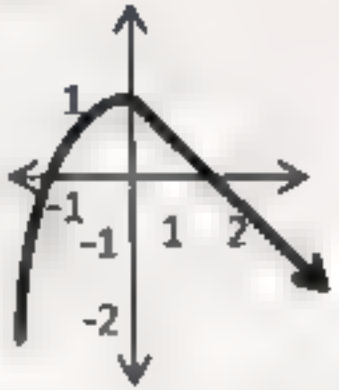
(ii) (g0f)(1)=..... [1 , 5 , 6 , 9]

(iii) $f^{-1}(4)$ =..... [1 , 2 , 3 , 5]

(iv) $g^{-1}(1)$ = ... [1 , 3 , 5 , 6]

If the opposite figure represent the function f(x)

Then (f0f)(2)=.....



- 2
- -1
- 0
- 1

If the function f is the inverse function of g then (f0g)(5)=.....

- 0
- 5
- 9
- 10

If $f(x) = x^3$ is translated 4 units to the right and 2 units down then the resulted function is .....

- $-(x+4)^3 - 2$
- $-2 - (x-4)^3$
- $(x-4)^3 - 2$
- $(x+4)^3 - 2$

If $f(x) = 2^x$ is translated one unit to the left then the resulted function is ...

- 2^{x-1}
- $2^x - 1$
- 2^{x+1}
- $2^x + 1$

The function $f(x) = 3^x$ is the image of $g(x) = -3^x$ by reflection in the straight line .....

- x=0
- y=0
- x=y
- x= - y

If the function f is real function its domain is [-2,3] then the domain of F(x-2) is .....

- *[-4,1]*
- *[0,3]*
- *[0,5]*
- *[-2,3]*

If the function f is real function its domain is [-2,3] then the domain of the function f(x)+2 is .....

- *[-4,1]*
- *[0,3]*
- *[0,5]*
- *[-2,3]*

The solution set of the equation $|x + 1| + |x| = 0$ *is ...*

- $\{0\}$
- $\{-1\}$
- $\{0, -1\}$
- $\emptyset$

The solution set of the equation $|x-2| = 2-x$ *is .....*

- $\{0\}$
- $]-\infty, 2]$
- $]-\infty, 2[$
- $\emptyset$

The solution set of the inequality $\sqrt{x^2 - 6x + 9} \leq 3$ *is ... ..*

- R^-
- $R -]0,6[$
- $[0,6]$
- R^+

If $x \in [\![-1,4]\!]$ *then* $|2x-3| \leq \ldots\ldots$

- 1
- 4
- 5
- 8

If $x > 0$, $y < 0$ *then* $\sqrt{x^2} + \sqrt{y^2} - (x + y) =$.....

- 0
- $2x$
- $2y$
- $-2y$

If $3^x = 2$ then $3^{x+2} = \ldots\ldots$

- 4
- 6
- 12
- 18

The S.S of the equation $x^{\frac{4}{3}} - 10 \times x^{\frac{2}{3}} + 9 = 0$

- $\{1,27\}$
- $\{\pm 1, \pm 27\}$
- $\{-1,27\}$
- $\{\pm 27\}$

If $f(x) = a^x$, *then* $f(x+1) \times f(x-1) = f(\ldots)$

- 2
- a^{2x}
- $2x$
- x^2

If $f(x) = a^x$, $a > 1$ *and* $f(x) < 1$ *then* $x \in \ldots$

- R^+
- R^-
- $]0,1[$
- $]1,\infty[$

If $f(x) = (a-2)^x$ *then* $x \in \cdots$

- R^+
- $R^+ - \{1\}$
- $]2, \infty[$
- $]2, \infty[- \{3\}$

If (a,b) lies on the curve $f(x)=2^x$ which of the following points $\in$ the function

$$g(x) = (\frac{1}{2})^x$$

- (a,b)
- (-a,b)
- (a,-b)
- $(a,\frac{1}{2}b)$

The image of the point (3,5) by reflection in the straight line y=x is ....

- (3,-5)
- (5,3)
- (5,-3)
- (-3,-5)

If log2=x and log3=y then log24=.....

- $x^3 + y$
- $x + y^3$
- $3x + y$
- $x + 3y$

If the curve $y=\log_4(1-ax)$ *passes through the point* $\left(\frac{1}{4},-\frac{1}{2}\right)$

then $a=\cdots$

- 2
- 3
- 4
- 6

$$\log_{ab}\frac{1}{a}+\log_{ab}\frac{1}{b}=\cdots$$

- $\frac{a}{b}$
- $\frac{b}{a}$
- 1
- -1

$$\log_b a \times \log_c b \times \log_d c = \cdots$$

- 1
- $loga$
- $logd$
- $\log_d a$

If $\log_x y = \log_y x$ *then* ... ...

- $x = y$
- $x = \frac{1}{y}$
- $y = x^2$
- *a, b together*

$$3^{\log_3 x} = \ldots$$

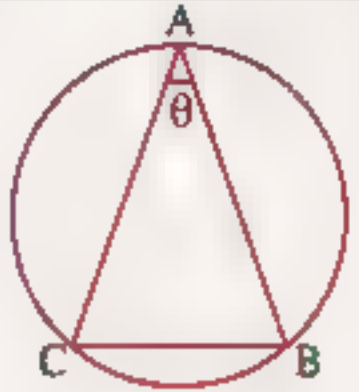
- 1
- 3
- x
- $3x$

$$\log \tan 1^\circ + \log \tan 2^\circ + \log \tan 3^\circ + \cdots + \log \tan 88^\circ + \log \tan 89^\circ = \cdots\cdots\cdots$$

- Zero
- 1
- 10
- 89

In the opposite figure :

ABC is a triangle inscribed in a circle whose radius length is 4 cm. , $m(\angle BAC) = \theta^{rad}$, then $\lim_{\theta^{rad} \to 0} \frac{BC}{\theta^{rad}} =$ ....



- 2
- 4
- 6
- 8

If the ratio among the measures of the angles of a triangle is $8 : 3 : 1$, then the ratio between the longest two sides in the triangle is .....

- $\sqrt{3} : 2$
- $\sqrt{6} : 2$
- $8 : 3$
- $8 : 5$

If $3^a = 4^b$, then $9^{\frac{a}{b}} + 16^{\frac{b}{a}} =$ .....

- 7
- 12
- 20
- 25

If $\lim_{x \to \infty} \frac{3k|x|}{4x+3} = 6$, then k = ...

- 6
- $\frac{3}{4}$
- 8
- 3

If $f(X) = X^3$, then the image of the curve of f by reflection in X-axis and translation 3 units in the direction of $\overrightarrow{OX}$ and two units in the direction of $\overrightarrow{Oy}$ is ... .

- $-(X-3)^3-2$
- $-(X+3)^3+2$
- $-(X+3)^3-2$
- $-[(X+3)^3+2]$

If $f(x) = x + 1$, $g(x) = \frac{x^2 - 1}{x - 1}$, then $\lim_{x \to 1} (g \circ f)(x) =$ .....

- 1
- 2
- -2
- 3

If $\log_2 3 \times \log_3 4 \times \log_4 5 \times \cdot \times \log_n (n+1) = 10$, then n = ...

- 9
- 10
- 11
- 1023

The domain of the function $f : f(x) = \sqrt{\sqrt{x^2 - 1}}$ is .....

- $]-1, 1[$
- $[-1, 1]$
- $\mathbb{R} -]-1, 1[$
- $\mathbb{R} - \{-1, 1\}$

In ΔABC , $m(\angle A) = 112°$, $m(\angle B) = 33°$, $c = 19$ cm.

, then the diameter length of its circumcircle $\simeq$ ..... cm.

- 16
- 17
- 32
- 33

If $2^{x} = 20$, $n < x < n + 1$, n is an integer , then n = ...

- 4
- 5
- 6
- 10

In ΔXYZ , $y^2 + z^2 - x^2 = 2\,y\,z \times$ .....

- Cos x
- Sin Z
- Cos Z
- sin x

If the function $f : f(x) = \begin{cases} 3x - 1 & , \quad x \neq 2 \\ 6 & , \quad x = 2 \end{cases}$, then $\lim_{x \to 2} f(x) =$ ..... .

- - 5
- 5
- 6
- Does not exist.

If $f(X) = \log_2(X + a)$ and $f^{-1}(2) = -3$, then a = ...

- -7
- 7
- 3
- 1

The exponential function whose base is a , is increasing if .....

- $a > 0$
- $a > 1$
- $0 < a < 1$
- $a = 1$

$$\lim_{x \to \infty} (4 - 3x - x^3) = \ldots\ldots\ldots\ldots$$

- ∞
- does not exist.
- -1
- $-\infty$

If f is an odd function , a $\in$ the domain of f , then $f(a) + f(-a) =$ .....

- $2f(a)$
- $2f(-a)$
- zero
- $f(a)$

If f is an odd function , then $\frac{2f(3)+7f(-3)}{10f(-3)}$ = ...

- 3
- -3
- $\frac{1}{2}$
- $-\frac{1}{2}$

If $f(x) = \sqrt{x+3}$, $g(x) = \sqrt{6-x}$, then $(f \circ g)(5) =$ .....

- undefined
- zero
- 5
- 2

The range of the function $f : f(x) = \begin{cases} 2x+3 & , \quad x>3 \\ 9 & , \quad x<3 \end{cases}$ is .....

- $\{3\}$
- $\mathbb{R}$
- $]9 , \infty[$
- $[9 , \infty[$

In ΔABC , if $m(\angle B) = 60°$, $m(\angle C) = 30°$, $c = 4$ cm. , then $b =$ ... ... cm.

- 4
- 8
- $2\sqrt{3}$
- $4\sqrt{3}$

If the area of Δ ABC is "$\mathcal{X}$" and the radius length of its circumcircle is "r" , then $\frac{4\,r\,\mathcal{X}}{a\,b\,c} =$ ... .

- $\frac{a}{\sin A}$
- $\cos A$
- 1
- r

If $\lim_{x \to a^+} f(x) = \ell$, $\lim_{x \to a^-} f(x) = m$ and the function is continuous at $x = a$

, then $\ell^2 + m^2 - 2\ell m =$ .....

- 1
- 3
- zero
- 6

If $a = \sin B$, $b = \sin C$, $c = \sin A$, then the circumference of the circumcircle of triangle ABC equals ..... .

- 1
- 2π
- $\frac{1}{2}\pi$
- π

The solution set of the inequality : $\sqrt{9x^2-12x+4}+2|4-6x|\geq 20$ is .....

- $\mathbb{R}-\left]\frac{-2}{3},2\right[$
- $\left]\frac{-2}{3},2\right[$
- $\mathbb{R}-\left[\frac{-2}{3},2\right]$
- $\left[\frac{-2}{3},2\right]$

Essay questions

If the function $f : f(x) = \begin{cases} x^2 + a x - 2 & , \quad x > 2 \\ 4 & , \quad x = 2 \\ 5a + b x & , \quad x < 2 \end{cases}$ is continuous at $x = 2$

, find the value of each of a , b

Essay questions

Find algebraically in $\mathbb{R}$ the solution set of the equation : $|x-3|=|9-2x|$

Essay questions

If $f(X) = 7^{X+1}$

, **find the value of X which satisfies :** $f(2X-1) + f(X-2) = 50$

Essay questions

If $\lim_{x \to a} |3x + 2| = 14$, find the value of : a

Essay questions

Find the value of each of a and n if : $\lim_{x \to \infty} \frac{4ax^n - 4x + 5}{3 - 9x + 8x^2} = 3$

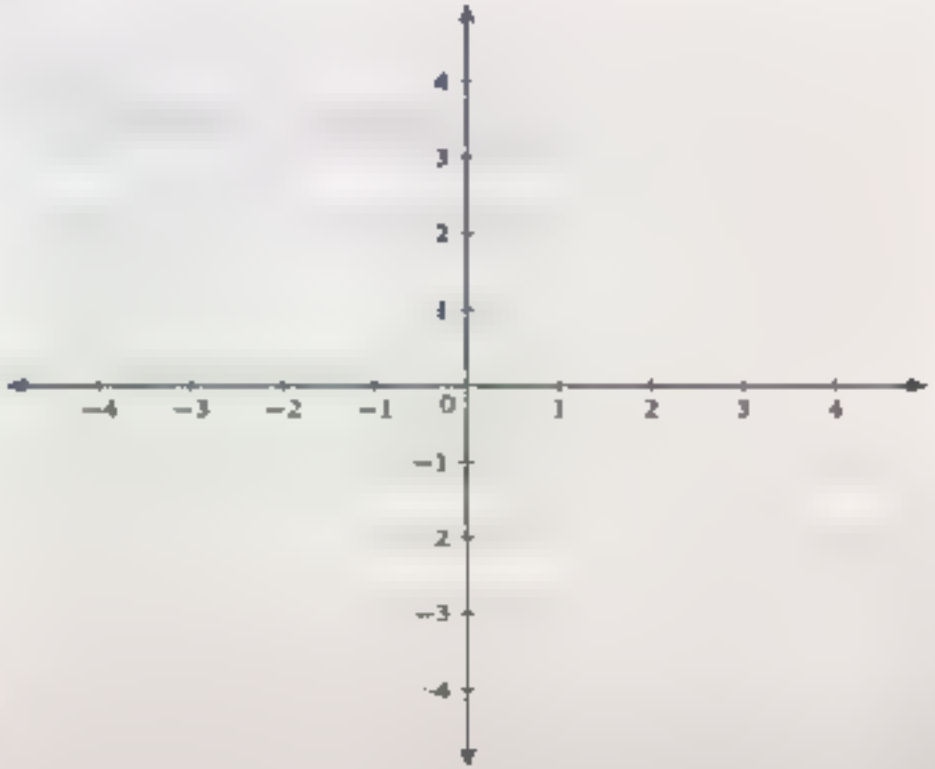
Essay questions

$$\lim_{x \to \infty} \left(\frac{x+1}{\sqrt{x^2-1}} + a^{\frac{1}{x}} \right)$$ where a is positive.

Essay questions

Represent graphically the following functions:

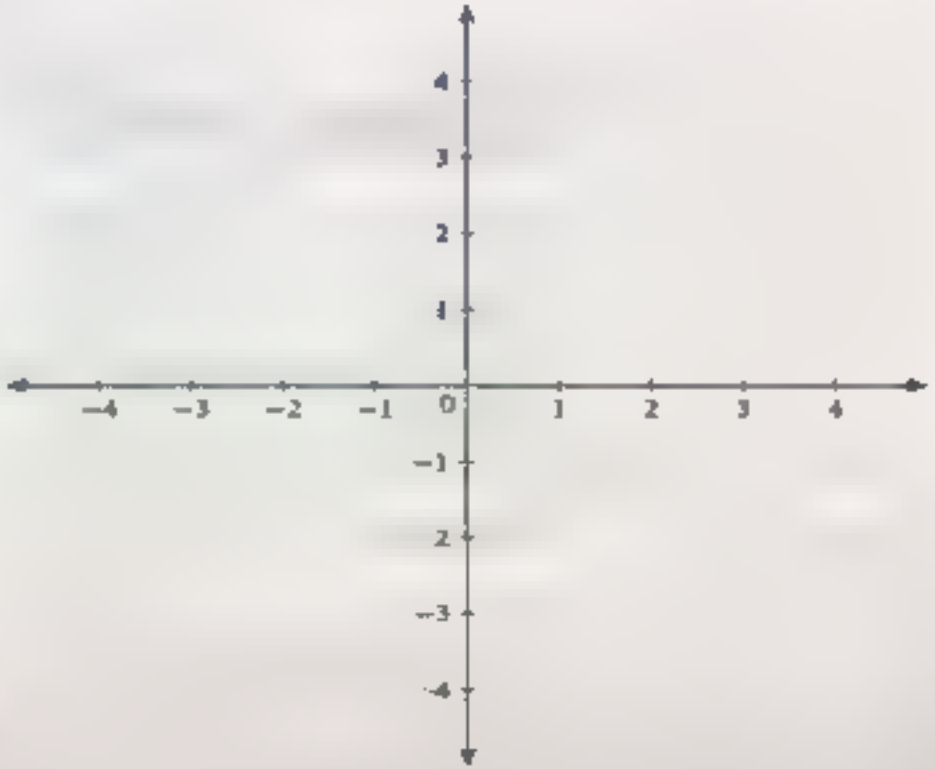
$$f(x) = 2 - x^2$$



Essay questions

Represent graphically the following functions:

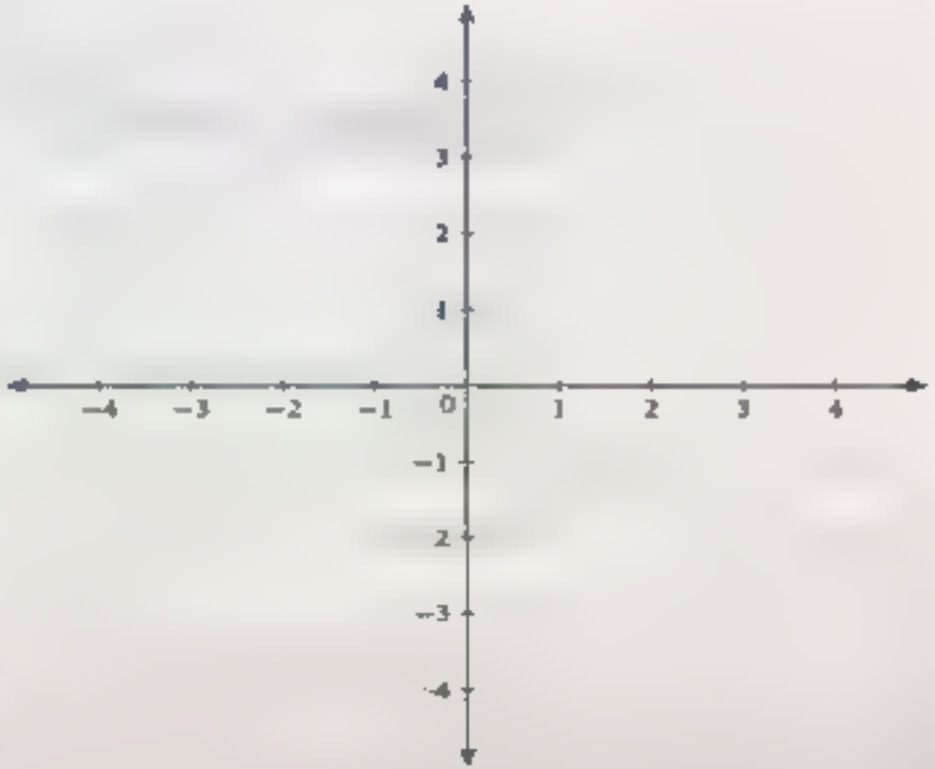
$$f(x) = \frac{x-1}{x}$$



Essay questions

Represent graphically the following functions:

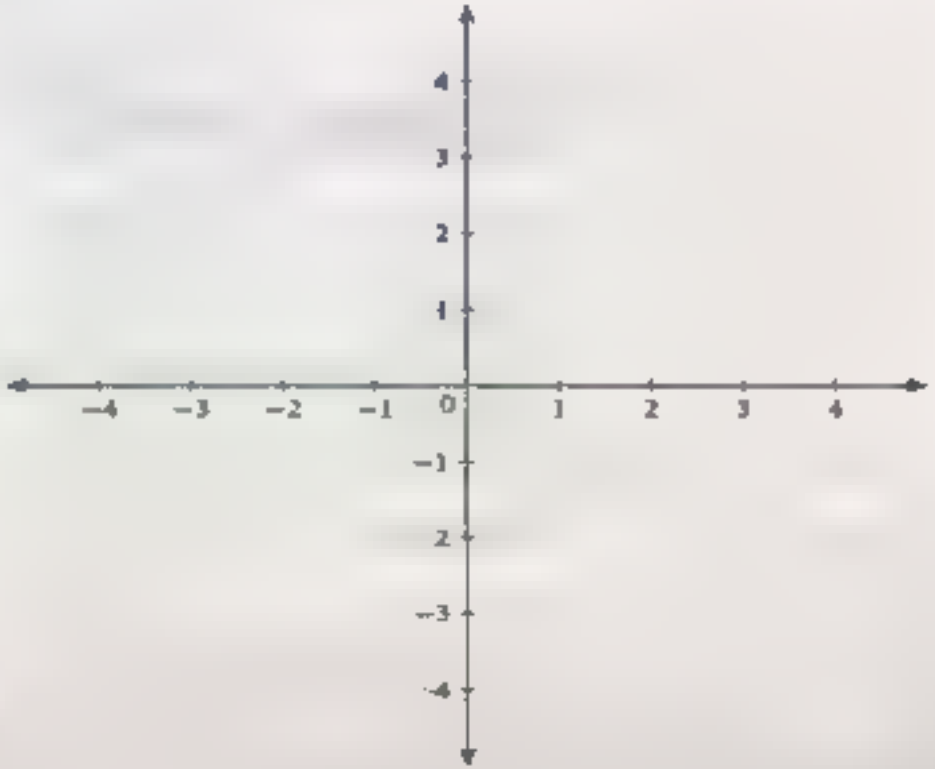
$$f(x) = (x-1)^3$$



Essay questions

Represent graphically the following functions:

$$f(x) = |x + 1| - 2$$



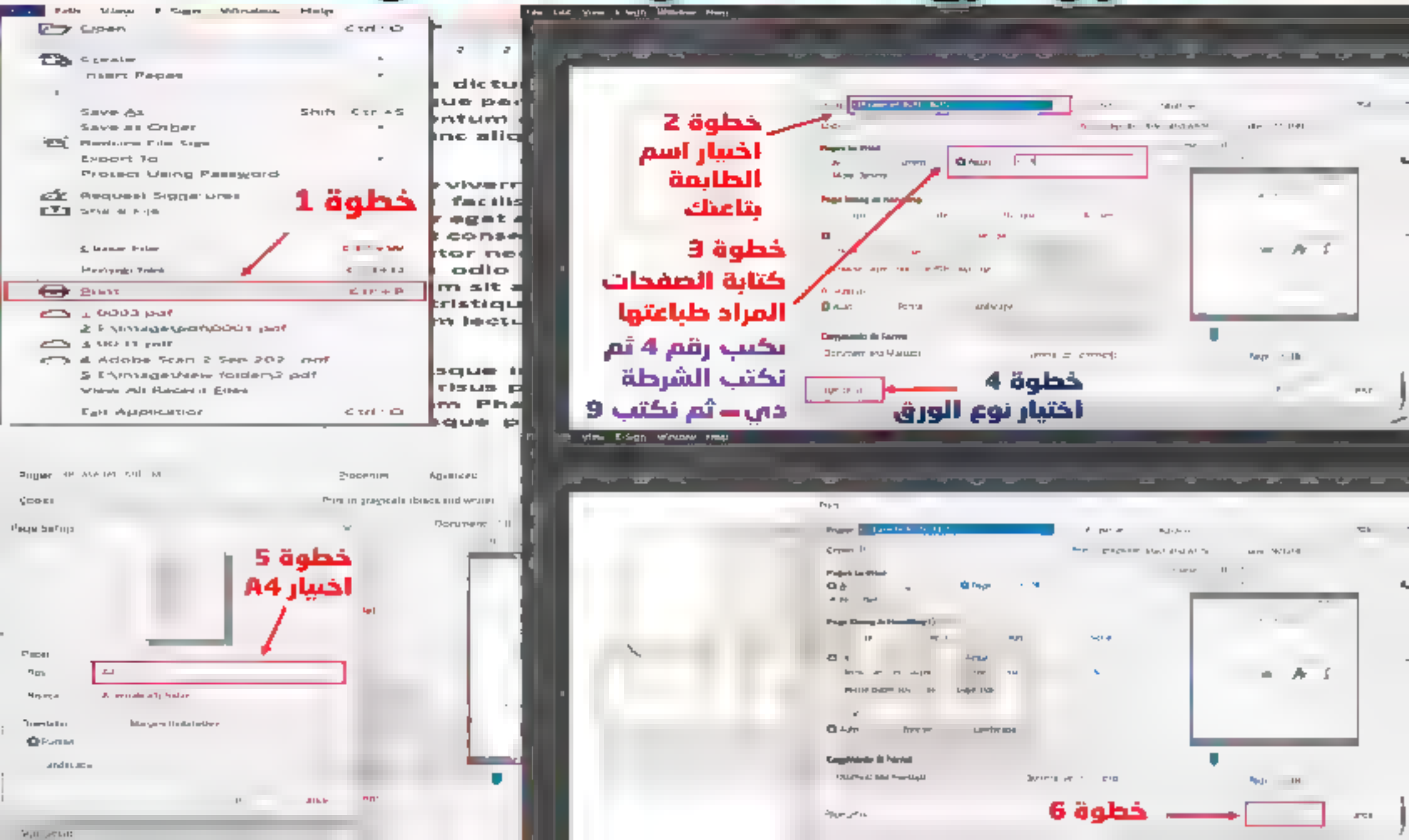
Find each of the following

$$\lim_{x \to 0} \frac{(2x-1)^2 - 1}{5x}$$

$$\lim_{x \to 9} \frac{x + \sqrt{x} - 12}{x - 9}$$

كيفية طباعة صفحات معينة من ملف معين

مثلا ازاى نطبع الصفحات من صفحة 4 الى صفحة 9



حمل الان
مجانا وحصريا
امتحانات رقم (1)
الترم الاول
ذاكرولى
RoNio SaYed
حمل الان حصريا

وزارة التربية والتعليم
الإدارة المركزية لتطوير المناهج
مكتب مستشار الرياضيات

Model Exam of Second year secondary First Term 2023- 2024

Mathematics **Time 3 hours** **calculator is permitted**

نموذج استرشادى رياضيات للصف الثانى الثانوى (علمى) للعام الدراسى ٢٠٢٣ - ٢٠٢٤م

First: Choose the correct answer

1) The point of symmetry of the function $f(x) = (x + 2)^3 - 1$ is .....

A (2 , 1) B (2 , 1) C (2 , 1) D (2 , 1)

2) The solution set of the inequality $|x - 5| < 3$ in R is .....

A]2 , 8[B [2 , 8] C R –]2 , 8[D R – [2 , 8]

3) The solution set of the equation $\sqrt[3]{x^2} = 4$ in R is .....

A { 8 } B { 16 } C { 8 , 8 } D { 16 , 16 }

4) if $\lim_{x \to 1} \frac{x^2 + mx + k}{x - 1} = 3$, then $m \times k =$ .....

A 2 B 6 C 2 D 6

5) $\lim_{x \to 2} \frac{x^6 - 64}{x^2 - x - 2} =$

A 8 B 16 C 32 D 64

6) Number of possible solution of ΔABC, where $m(\angle A) = 47^\circ$, $a = 4$ cm, $b = 6$ cm equals .....

A zero B 2 C 3 D infinite

7) In ΔABC, If $a = 18$ cm, $b = 24$ cm, $c = 30$ cm, then $\cos A =$ .....

A $\frac{3}{5}$ B $\frac{1}{4}$ C $\frac{4}{5}$ D $\frac{3}{4}$

Second: Choose the correct answer

1) The domain of the function f $f(x) = \sqrt{x}$ is .....

A $\mathbb{R} - \{0\}$ B $\mathbb{R}$ C $[0, \infty[$ D $]-\infty, 0]$

2) The One To One function of the following is $f(x) =$ .....

A 6 B $|x|$ C $\sin x$ D x

3) If $f(x) = 3^x$, then $f(x+2) \times f(x-2) =$ .....

A $f(2x)$ B $f(x)$ C $f(3x)$ D $2f(x)$

4) If $(a, b) \in f(x)$, then ..... $\in f^{-1}(x)$

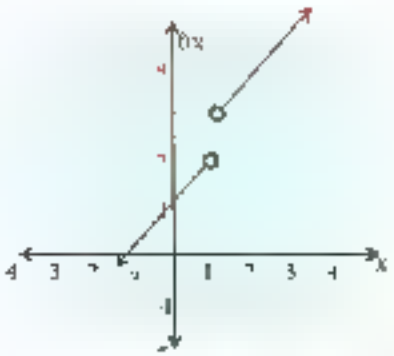
A (a, b) B (b, a) C $(-a, -b)$ D $(-b, -a)$

5) If $3^x = 7$, then x = ...

A $\log_3 7$ B $\log_7 3$ C $\log 3$ D $\log 7$

6) In the opposite figure

$\lim_{x \to 2} f(x)$.



A 1 B 2 C 3 D not exist

---

7) $\lim_{x \to 0} 6x^2 \csc 2x \cot x =$ .....

A 2 B 3 C 6 D 12

Thrid: Choose the correct answer

1) If f is a function . $f(x) = \begin{cases} x^2 + 1 & : x < 1 \\ 3x - 1 & x > 1 \end{cases}$

then $\lim_{x \to 1} f(x)$ = ...

A 1 B 2 C 3 D not exist

وزارة التربية والتعليم
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2) Area of the circumcircle of ΔABC in which $m(\angle A) = 30^\circ$, $a = 10$ cm, is ... cm^2

A 10π B 20π C 100π D 25π

3) In the triangle ABC, if $\sin^2 A + \sin^2 B$ ... $\sin^2 C$, then the triang e ... s ...

A equilatera Δ B isosce es Δ C right ang ed Δ D obtuse ang ed Δ

Δ

4) $\lim_{x \to \infty} \frac{4x \quad 7}{\sqrt{x^{\cdot} \quad 1}}$ ...

A 1 B 4 C 7 D 7

5) $\lim_{x \to 0} \frac{\tan 4x^2 + \sin^2 3x}{x^2}$ ...

A 7 B 13 C 19 D 25

6) Domain of the function f : $f(x) = \frac{1}{x \cdot 1} + 2$ ... s ...

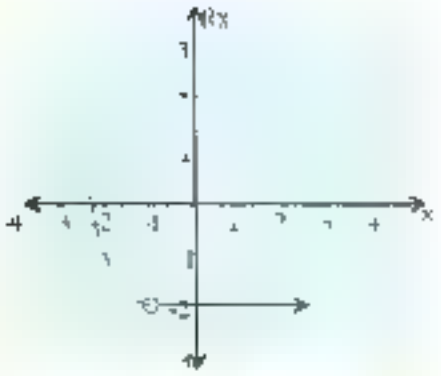
A R B $\emptyset$ C $R - \{1\}$ D $R - \{2\}$

7) The solution set of the equat on $\log_2(4^x - 2) = x$ is ..... where $x \in R$

A $\{1, 2\}$ B $\{1\}$ C $\{1\}$ D $\emptyset$

Fourth: Choose the correct answer

1) The opposite figure represents the graph of the function f, then $(f \circ f)(1)$ = ...



A zero B 1 C 2 D 1

2) If $2^x = 3$ and $3^y = 8$, then 3^{xy} = ...

A 3 B 8 C 24 D 27

3) A man bought a car for 75000 pound, if the price of the car decreases by a rate of 2 % yearly, then the price of the car after 10 years will become pound (to thenearest pound)

A 68120 B 61280 C 65280 D 64218

4) In the triangle ABC if $m(\angle A) = 80°$, $m(\angle B) = 60°$ and $c = 10$, then $a =$. (nearest cm)

A 15 B 14 C 16 D 13

5) In the triangle ABC if $a = 36cm$, $b = 25cm$, $m(\angle C) = 86°$, then

$c =$. (to nearest cm)

A 24 B 42 C 38 D 30

6) $\lim_{x \to \infty} \frac{6x^2 + x + 1}{2x^2 + 7}$

A 1 B 2 C 3 D 7

Fifth:

Draw the curve of the function f : $f(x) = (x+2)^2 - 3$,
then from the graph determine
the range, its monotonicity, is it even or odd or otherwise?

Sixth :

If the function f : $f(x) = \begin{cases} x^2 - a & : x > 3 \\ x + b & : x < 3 \end{cases}$

is continues function at $x = 3$, then find the value of $a + b$

وزارة التربيه والتعليم
الإدارة المركزيه لتطوير المناهج
مكتب مستشار الرياضيات

Model Answer Exam of Second year secondary First Term 2023- 2024

Pure Mathematics

نموذج اجابة استرشادى رياضيات بحتة لنصف الثانى الثانوى (علمى) للعام الدراسى ٢٠٢٣ ٢٠٢٤م

إجابة السؤال الاول: (سبع درجات كل مفردة درجة واحدة)

المفردة	1	2	3	4	5	6	7
الإجابة	C	A	C	C	D	A	C

إجابة السؤال الثانى: (سبع درجات كل مفردة درجة واحدة)

المفردة	1	2	3	4	5	6	7
الإجابة	D	D	A	B	A	D	B

إجابة السؤال الثالث: (سبع درجات كل مفردة درجة واحدة)

المفردة	1	2	3	4	5	6	7
الإجابة	B	C	C	B	B	D	B

إجابة السؤال الرابع: (ست درجات كل مفردة درجة واحدة)

المفردة	1	2	3	4	5	6
الإجابة	B	D	B	A	B	C

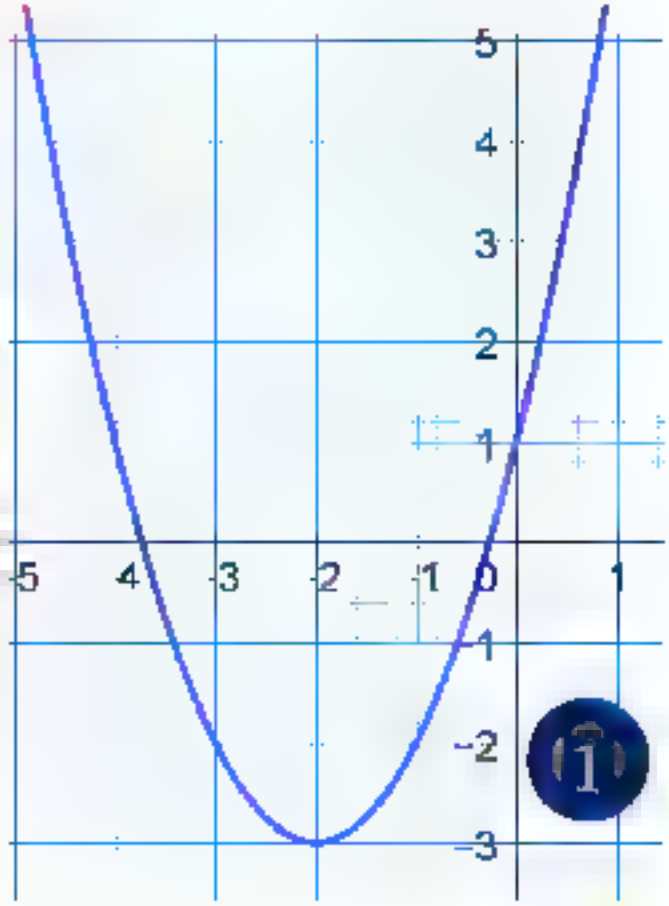
5]

Range= $[-3, \infty[$

Type: neither even nor odd

$]-\infty, -2[$ f is decreasing

$]-2, \infty[$ f is increasing



6)

f is continuous at x=3

$f(3^+)= f(3^-)= f(3)$

$9-a=3+b$

$a+b=6$

أسئلة استرشادية للصف الثاني الثانوي

رياضيات (١) للقسم العلمي باللغة الإنجليزية

Question (1)

$$\lim_{x \to 1} \frac{x^3 \quad 6x}{5x} = \cdot\ \cdot$$

A 1

B $\frac{7}{5}$

C zero

D 5

Question (2)

In ΔABC , if b 5 cm , $m(\angle B) = 30^\circ$, then length of the diameter of the circumcircle of ΔABC equals . . cm

A $\frac{10\sqrt{3}}{3}$

B 2 5

C 10

D $\frac{5\sqrt{3}}{2}$

Question (3)

If $\lim_{h \to 0} \frac{(1+3h)^4 - 1}{h} = k$ then $k =$

A 6

B 4

C 3

D 12

Question (4)

The rule which does not represent a function is

A $y = x^3 + 2$, $x \in [1,3[$

B $y = 2x$, $x \in \mathbb{R}$

C $y = \begin{cases} 2x+1 & x \geq 2 \\ x^2 - 1 & , x \leq 2 \end{cases}$

D $y = \begin{cases} x+1 & , x > 3 \\ 2x & x \leq 3 \end{cases}$

Question (5)

In ΔABC if $a = 4$ cm , $m(\angle A) = 35°$, $m(\angle B) = 85°$ then the perimeter of $\Delta ABC \simeq$, cm

A 16

B 17

C 18

D 19

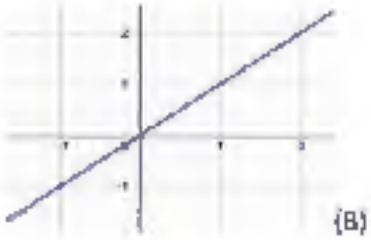
Question (6) :

If f and g are two real functions where $f(x)= x^2-4$ and $g(x)=\sqrt{8-x}$, then determine the domain of the function $\frac{g}{f}(x)$.

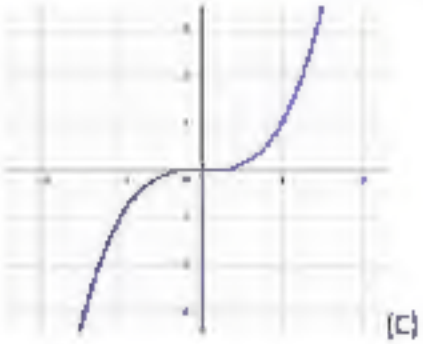
Question (7) :

The graph which represents a cubic function is .....

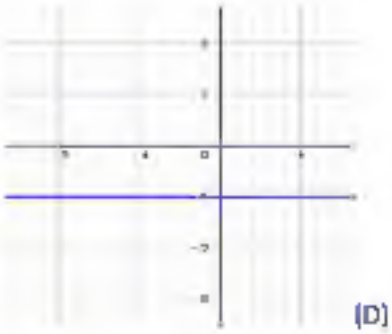
(A)



(B)



(C)



(D)

A. (B)

B. (A)

C. (C)

C. (D)

Question (8) :

The function f where $f(x)= \begin{cases} 2-x & , -2 \leq x \leq 1 \\ x & , 1 < x \leq 5 \end{cases}$

is .....

A. decreasing on]-2 , 1[

B. decreasing on]1 , 5[

C. increasing on]-2 , 5[

D. increasing on]-2 , 1[

Question (9) :

If $f : \mathbb{R}^* \to \mathbb{R}$ where $f(x)=\frac{1}{x}+3$, then f(x) is .....

A. odd

B. even

C. not one-to-one

D. one-to-one

Question (10) :

If the graph of the function f : $f(x) = \log_{\frac{1}{2}} x$ passes through the point (512 , k),then find the value of k.

Question (11) :

Find $\lim_{x \to 0} \frac{2\sin^2 x}{1-\cos^4 x}$

Question (12) :

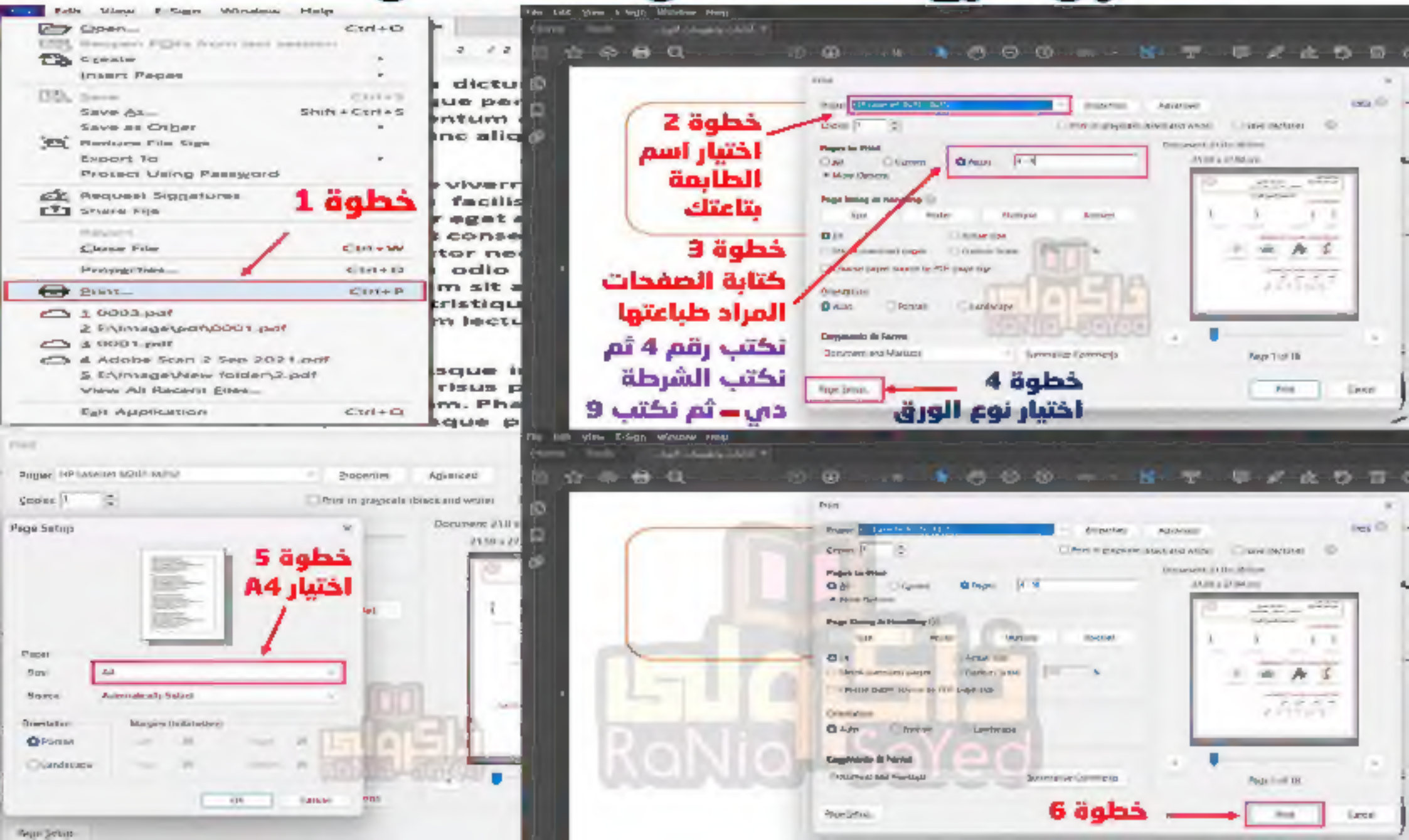
If ABCD is parallelogram, then $\frac{AD}{\sin(\angle DBA)}$ = ...

A. $\frac{BC}{\sin(\angle CBD)}$

B. $\frac{AB}{\sin(\angle ABD)}$

C. $\frac{DC}{\sin(\angle DBC)}$

D. $\frac{\sin(\angle A)}{BD}$

كيفية طباعة صفحات معينة من ملف معين

مثل ازاى نطبع الصفحات من صفحة 4 الى صفحة 9